On the waterfront—At Annapolis—
growth opportunities for research engineers and scientists

The U. S. Navy Marine Engineering Laboratory conducts ROTAE in naval shipboard and submarine machinery and auxiliary systems (electrical, propulsion, control, etc.). In addition to developing basic improvements in performance and reliability, the Laboratory concentrates on ship-habitating new concepts in energy conversion and control, ways to minimize friction and wear, special operating machinery for deep-diving vessels and tough, resistant naval alloys to meet all ocean environmental conditions.

The Laboratory buildings—now more than 50 of them—house some of the finest research, experimental and evaluation equipment available. Among them are those high-speed computers, electric power generators, vibration and shock test stands, metals composition analysis instruments, cryogenic storage and handling facilities, physics and chemistry labs, and complex instrumentation for measuring strain, stress, pressure, acceleration, velocity, performance, and reliability. The Laboratory grows, essentially from the present inventory, and include special facilities for in-field experimentation.

Another unique feature is the sizable Washington, Baltimore and the ocean resorts are no more than an hour's drive away. This itself is the state capital, and offers small-city living with metropolitan accessibility. Urgent new projects require additional engineering and scientific personnel with BIL, B.S. and Ph.D degrees.

Typical Duties of Engineers and Scientists at MEL:

- Mechanical Engineers—Research and development in shipboard propulsion machinery—gas and steam turbines, hydraulic systems and equipment; air and water treatment systems; semi-conductor materials; lubrication, fuel systems and processes; filtration; hydraulic fuel systems.
- Electrical Engineers—Research and development in electrical and electrochemical processes, gas and fluid flow systems and equipment; air and water treatment systems; semi-conductor materials; lubrication, fuel systems and processes; filtration; hydraulic fuel systems.
- Chemists—Engaged in application of chemical principles to the areas of water treatment and purification, corrosion and deposition in naval equipment, atmospheric purification, thermoelectric materials, fuel cell power generation, lubrication, fuels, hydraulic fluids, and instrumental analysis.
- Meteorologists—Research and development work in new systems for ship's weather. They apply ship board and machine application involving considerations of physical and mechanical properties of metals and alloys, fatigue and corrosion characteristics, and weldability.
- Salaries range from $10,000 to $13,000 per year, depending on type of degree and scholastic standing.

Applicants acquire the benefits of career Civil Service and regular salary increases. All applicants will be considered on the basis of merit without regard to sex, race, creed, color, national origin, age, physical handicap, marital status, or political affiliation.

If you are interested in applying your capabilities to the vital and expanding field of improving ship and submarine capabilities to the vital and expanding field of improving ship and submarine capabilities, you may rest with the USA, design, development and installation of new and improved alloy materials, corrosion and wear equipment and devices involvin...